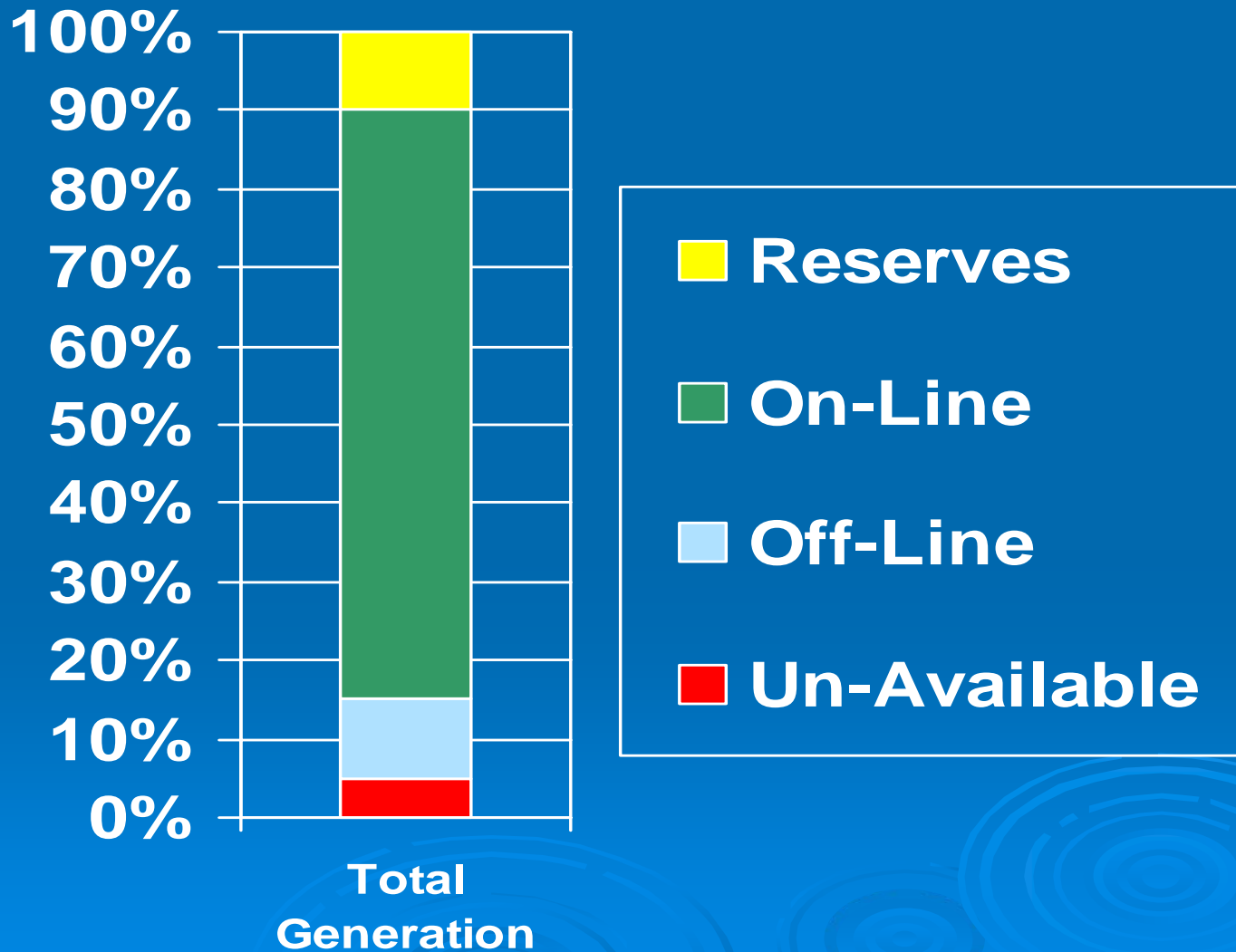


# Reserve Sharing

Northwest Power Pool  
Reserve Sharing Group



# Total Generation



# Reserve Components

- Operating Reserves
  - Regulating
  - Contingency (MSSC or 3% of Generation + 3% of Load)
    - Spinning (50%)
    - Non-Spinning (50%)  $\leq$  10 minutes to deploy

# How Much is Enough?

- Most Severe Single Contingency (MSSC)
  - Rocky Reach Bus 2 = 615MW
- 3% of Generation + 3% Load (WECC-BAL-002)
  - <75MW
- NERC Requires MSSC As A Minimum
- WECC Requires The Greater Of (3+3 or MSSC)

# Reserve Sharing Groups

- NWPP = 19 NW Balancing Authorities
- NWPP MSSC ~ 1500 MW
- NWPP 3+3 ~ 3000 MW
- RSG 3+3 is always greater than MSSC

# NWPP Agency Agreement

- Allows NWPP Corporation to Act as Agent for the RSG for the purposes of compliance reporting on BAL-002
- Good Agreement
- Financial Impact: ~10% increase in administrative costs.